

Notice of Allowability	Application No.	Applicant(s)	
	09/845,221	AHMED, KHAJA	
	Examiner	Art Unit	
	Carl Colin	2136	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 9/21/2006 and phone conversation on 10/11/06 and 10/12/06.
2. ☒ The allowed claim(s) is/are 1, 2, 5-14, 18-50, 52-68 and 70-86.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.


4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>20061012</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

NASSER MOAZZAMI
 SUPERVISORY PATENT EXAMINER
 TECHNOLOGY CENTER 2100


 10/13/06

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given by Applicant's attorney Edward J. Radlo in a telephone interview held on 10/11/2006 and 10/12/2006 (see attached). The application has been amended as follows:

In **claim 1**, amend the last line as follows: authenticating the second digital signature, thereby verifying the trustworthiness of the executable browser software.

In **claim 35**, last paragraph, after "coupled to the trusted verifier module, means for" replace "determining" by "verifying".

In **claim 50**, amend step g) as follows:

g) ~~determining~~ verifying by the trusted verifier module a status of the browser by comparing the first set of hashes with the second set of hashes;

Claim 51 is cancelled.

In **claim 52**, after the phrase "The method of claim" replace "51" by "50".

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In **claim 53**, after the phrase “The method of claim” replace “51” by “50”.

In **claim 68**, amend the 20th and 21st lines, means for determining step as follows:

means for ~~determining~~ verifying by the trusted verifier module a status of the first customer's browser by comparing the first set of hashes with the second set of hashes;

Claim 69 is cancelled.

In **claim 70**, after the phrase “The apparatus of claim” replace “69” by “68”.

In **claim 71**, after the phrase “The apparatus of claim” replace “69” by “68”.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

The prior art of record US Patent Publication US 2002/0128940 to Orrin et al teaches a content describing an obligation from an obligor to an obligee may be received and stored at a trusted server. The stored form of the content is preferably identifiable as a legally binding record of the obligation. The content may be bound under the digital signature of an obligor of the obligation, such that the signature is affixed in a manner to attest to the assent of the obligor and to the authenticity of the content of the record. The content may additionally or alternatively be bound under the digital signature of an obligee of the obligation, such that the digital signature is affixed in a manner to ensure that any transfer of the record will be with the assent of the obligee. The content, the obligor's digital signature, and the obligee's digital signature may be bound under a digital signature of the trusted server. US Patent 6,292,569 to Shear et al teaches

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validating load modules or executable to ensure that they are trusted. A protecting environment protects itself by executing only those load modules or other executables that have been digitally signed for its corresponding assurance level. US Patent Publication US 2005/0114666 to Sudia teaches a method for communicating authenticated information concerning a digital public key certificate. A hash tree is generated containing a pre-defined list of possible information such as authorization, restriction. In response to a request for authenticated information concerning a digital public key certificate, the certificate authority releases the relevant list item, other hash values sufficient to authenticate the list item using the root node embedded in the digital certificate. The prior arts of record, however, fail to teach singly or in combination “wherein the first digital signature is affixed to a combination comprising content plus a second digital signature, wherein the second digital signature is affixed to and thus verifies the authenticity of at least one executable component running in an environment of the executable browser software... subsequent to the two transmitting steps and the electronic signing step authenticating the second digital signature thereby verifying the trustworthiness of the executable browser software” as claimed in claim 1. Consequently claim 1 is allowable over the prior arts of record. Claims 2 and 5-14 are directly or indirectly dependent upon claim 1, and therefore are also allowable over the prior arts of record. Independent claims 18, 35, 50, and 68 also disclose apparatus and method for verifying a trusted web browser software by generating a first set of hashes comprising a hash of the browser software and a plurality of hashes corresponding to a plurality of executable browser components and creating a second set of hashes, the second set of hashes comprising a hash of the browser at a second point in time and a plurality of hashes corresponding to a plurality of browser components, and comparing the first set of hashes to the

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second set of hashes to determine the trustworthiness of the web browser software.

Consequently, claims 18, 35, 50, and 68 are allowable over the prior arts of record. Claims 19-34, 36-49, 52-67, and 70-86 are directly or indirectly dependent upon claims 18, 35, 50, and 68, and therefore are also allowable over the prior arts of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carl Colin whose telephone number is 571-272-3862. The examiner can normally be reached on Monday through Thursday, 8:00-6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser G. Moazzami can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR


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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

cc

Carl Colin
Patent Examiner
October 13, 2006

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10/13/06